

To: Fawcett, Allen[Fawcett.Allen@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]
Cc: Birnbaum, Rona[Birnbaum.Rona@epa.gov]; Kocchi, Suzanne[Kocchi.Suzanne@epa.gov];
Desai, Mausami[Desai.Mausami@epa.gov]
From: Irving, Bill
Sent: Mon 2/5/2018 2:08:05 PM
Subject: RE: UNFCCC/IPCC Wehrum Briefing
UNFCCC IPCC Overview Briefing_v6.pptx

Paul – here is a revised version that incorporates your edits from Friday.

From: Fawcett, Allen
Sent: Thursday, February 01, 2018 4:35 PM
To: Gunning, Paul <Gunning.Paul@epa.gov>
Cc: Irving, Bill <Irving.Bill@epa.gov>; Birnbaum, Rona <Birnbaum.Rona@epa.gov>; Kocchi, Suzanne <Kocchi.Suzanne@epa.gov>
Subject: UNFCCC/IPCC Wehrum Briefing

Paul,

Here's the UNFCCC/IPCC briefing we drafted for our pre-brief with Sarah on Monday, and our briefing for Bill Wehrum on the 7th. Let us know if you have any comments.

Allen

Allen A. Fawcett, Ph.D.

Chief, Climate Economics Branch

U.S. Environmental Protection Agency

Office: (202) 343-9436

Cell: (202) 412-5116

To: Fawcett, Allen[Fawcett.Allen@epa.gov]; Desai, Mausami[Desai.Mausami@epa.gov]
Cc: Birnbaum, Rona[Birnbaum.Rona@epa.gov]
From: Irving, Bill
Sent: Thur 2/1/2018 3:36:05 PM
Subject: RE: Wehrum briefing outline
[UNFCCC IPCC Overview Briefing_v1.pptx](#)

All – the compiled slide deck is attached. Allen, please forward to anyone in your group who should review. Some notes below

Ex. 5 - Deliberative Process

-please review

Ex. 5 - Deliberative Process

-please review

If possible we should try to get a version to Paul this afternoon. He mentioned yesterday that we should get on Sarah's calendar Monday for a pre-brief. I'm working with Jackie to get that scheduled.

Bill

From: Fawcett, Allen
Sent: Wednesday, January 31, 2018 2:58 PM
To: Irving, Bill <Irving.Bill@epa.gov>
Subject: RE: Wehrum briefing outline

Hey Bill,

Here's my draft of the slides for the 2nd and 3rd topics for the Wehrum briefing. Feel free to edit.

Allen

Allen A. Fawcett, Ph.D.

Chief, Climate Economics Branch

U.S. Environmental Protection Agency

Office: (202) 343-9436

Cell: (202) 412-5116

From: Irving, Bill
Sent: Thursday, January 25, 2018 4:34 PM
To: Fawcett, Allen <Fawcett.Allen@epa.gov>
Subject: Wehrum briefing outline

I had my general with Paul and brought him a very high level draft outline for the briefing (below). He had a few comments (in red) and said we can go ahead and start drafting.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

To: Hengst, Benjamin[Hengst.Benjamin@epa.gov]; Mylan, Christopher[Mylan.Christopher@epa.gov]
Cc: Burkholder, Dallas[burkholder.dallas@epa.gov]; Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]; Millett, John[Millett.John@epa.gov]; Sutton, Tia[sutton.tia@epa.gov]
From: DeLuca, Isabel
Sent: Wed 11/29/2017 4:13:16 PM
Subject: RE: RFS coms materials: 2018 RVO rule
RFS 2018 Final RVO Press Release - 11.29.17.docx
2018 FINAL RFS Vol Roll Out Plan 11.29.17 CLEAN.docx

Here are the latest comms plan and press release with comments from Bill and Mandy. Their edits were minor. These are in review with OPA now.

From: Hengst, Benjamin
Sent: Wednesday, November 29, 2017 11:11 AM
To: Mylan, Christopher <Mylan.Christopher@epa.gov>
Cc: Burkholder, Dallas <burkholder.dallas@epa.gov>; Argyropoulos, Paul <Argyropoulos.Paul@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Millett, John <Millett.John@epa.gov>; Sutton, Tia <sutton.tia@epa.gov>
Subject: RFS coms materials: 2018 RVO rule

Chris—can you please circulate current drafts of the two roll-out pieces (roll-out plan, and “press release”) to everyone on this email?

Dallas—can you please verify the RVO#s?

John/Isabel – did you get any word back from any politicals (Liz? Mandy? Bill W?)


We are currently going to target web posting of the rule at **2pm tomorrow**, assuming everything clears today.

Thanks

Ben

To: Mylan, Christopher[Mylan.Christopher@epa.gov]; Millett, John[Millett.John@epa.gov]
Cc: Birgfeld, Erin[Birgfeld.Erin@epa.gov]
From: DeLuca, Isabel
Sent: Wed 11/29/2017 3:10:46 PM
Subject: RFS Final RVO Rule - comms materials
[2018 FINAL RFS Vol Roll Out Plan 11.29.17 REDLINE.docx](#)
[2018 FINAL RFS Vol Roll Out Plan 11.29.17 CLEAN.docx](#)
[RFS 2018 Final RVO Press Release - 11.29.17.docx](#)

Web looks, thanks!

Attached are the Rollout plan and press release with Bill and Mandy's edits incorporated. 

Ex. 5 - Deliberative Process

I'll send these on to OPA. I haven't heard anything on timing tomorrow, but I'll let you know if I hear anything specific. Please let me know if you hear timing updates as well!

Thanks,
Isabel

From: Mylan, Christopher
Sent: Wednesday, November 29, 2017 9:49 AM
To: Millett, John <Millett.John@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Cc: Birgfeld, Erin <Birgfeld.Erin@epa.gov>
Subject: RFS Final RVO Rule - on Web Staging

Hi John and Isabel,

In preparation for tomorrow's expected announcement, we have staged the web pages for your review. We kept it short and to the point.

2017 RFS Announcements Page: <https://wcms.epa.gov/node/169253/revisions/610427/view>

2018 RVO Page: <https://wcms.epa.gov/renewable-fuel-standard-program/final-volume-standards-2018-and-biomass-based-diesel-volume-2019>

Thanks,

Christopher Mylan

Communications Specialist

Office of Transportation and Air Quality

U.S. Environmental Protection Agency

Phone: (202) 564-7411

To: Mylan, Christopher[Mylan.Christopher@epa.gov]
From: DeLuca, Isabel
Sent: Mon 11/27/2017 10:00:50 PM
Subject: RE: Comms materials coming up

Thanks!

From: Mylan, Christopher
Sent: Monday, November 27, 2017 5:00 PM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Comms materials coming up

RFS Quote from proposal:

“Increased fuel security is an important component of the path toward American energy dominance,” said EPA Administrator Scott Pruitt. **“We are proposing new volumes consistent with market realities focused on actual production and consumer demand while being cognizant of the challenges that exist in bringing advanced biofuels into the marketplace. Timely implementation provides certainty to American refiners, the agriculture community and broader fuels industry, all of which play an important role in the RFS program.”**

And here’s the full proposal release if you would like to pass it along:
<https://www.epa.gov/newsreleases/epa-proposes-rfs-volumes-reflective-market-realities-2018>

Christopher Mylan

Communications Specialist

Office of Transportation and Air Quality

U.S. Environmental Protection Agency

Phone: (202) 564-7411

From: Mylan, Christopher

Sent: Monday, November 27, 2017 4:40 PM

To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Birgfeld, Erin <Birgfeld.Erin@epa.gov>

Cc: Sutton, Tia <sutton.tia@epa.gov>

Subject: RE: Comms materials coming up

Hey Isabel,

Here is what we have for Bill's book. Attached are the RFS rollout plan and press release.

Thanks!

Christopher Mylan

Communications Specialist

Office of Transportation and Air Quality

U.S. Environmental Protection Agency

Phone: (202) 564-7411

From: DeLuca, Isabel

Sent: Monday, November 27, 2017 1:37 PM

To: Birgfeld, Erin <Birgfeld.Erin@epa.gov>; Mylan, Christopher <Mylan.Christopher@epa.gov>

Cc: Sutton, Tia <sutton.tia@epa.gov>

Subject: RE: Comms materials coming up

Today, it's 5 pm.

From: Birgfeld, Erin
Sent: Monday, November 27, 2017 1:26 PM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Mylan, Christopher <Mylan.Christopher@epa.gov>
Cc: Sutton, Tia <sutton.tia@epa.gov>
Subject: RE: Comms materials coming up

One more thing... what is the deadline for getting this info into his book?

From: DeLuca, Isabel
Sent: Monday, November 27, 2017 1:22 PM
To: Birgfeld, Erin <Birgfeld.Erin@epa.gov>; Mylan, Christopher <Mylan.Christopher@epa.gov>
Cc: Sutton, Tia <sutton.tia@epa.gov>
Subject: RE: Comms materials coming up

Great – thanks for the heads up.

From: Birgfeld, Erin
Sent: Monday, November 27, 2017 1:21 PM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Mylan, Christopher <Mylan.Christopher@epa.gov>
Cc: Sutton, Tia <sutton.tia@epa.gov>
Subject: RE: Comms materials coming up

Hi Isabel,

Thanks for buying us some time on the RFS comms materials!

Ex. 5 - Deliberative Process

Looping Tia here as FYI only.

Thanks Isabel!

-erin

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: DeLuca, Isabel
Sent: Monday, November 27, 2017 11:29 AM
To: Birgfeld, Erin <Erin.Birgfeld@epa.gov>; Mylan, Christopher <Christopher.Mylan@epa.gov>
Subject: Comms materials coming up

Hi Erin and Chris,

I told Bill W I'd send him the RFS comms this afternoon so it could go in his book. (Thanks for working on that!)

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Let me know what you think.

Thanks,

Isabel

To: OAR Briefings[OAR_Briefings@epa.gov]
Cc: Clarke, Deirdre[clarke.deirdre@epa.gov]; Kocchi, Suzanne[Kocchi.Suzanne@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]; Irving, Bill[Irving.Bill@epa.gov]
From: Krieger, Jackie
Sent: Tue 2/6/2018 7:52:34 PM
Subject: Materials for Tomorrow's Briefing on the UNFCCC and IPCC
[UNFCCC IPCC Overview Briefing_v9.pptx](#)

Attached please find the briefing materials that OAP will be using for tomorrow's 1:00 pm meeting with Bill on the FCCC/IPCC. Let us know if you have any questions – thanks.

Jackie Krieger / Chief of Staff / Office of Atmospheric Programs / U.S. EPA / O: 202-343-9905 / C: 202-236-3934

To: DeLuca, Isabel[DeLuca.Isabel@epa.gov]; Wehrum, Bill[Wehrum.Bill@epa.gov]
Cc: Dominguez, Alexander[dominguez.alexander@epa.gov]; Millett, John[Millett.John@epa.gov]; Cyran, Carissa[Cyran.Carissa@epa.gov]
From: Gunasekara, Mandy
Sent: Wed 11/29/2017 2:27:09 PM
Subject: RE: Draft comms materials for final RFS volumes
RFS 2018 Final RVO Press Release - Draft 11.27.17.docx mmg edit.docx

Attached is the press release with the suggested quote we discussed.

From: DeLuca, Isabel
Sent: Monday, November 27, 2017 5:02 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Dominguez, Alexander <dominguez.alexander@epa.gov>; Millett, John <Millett.John@epa.gov>; Cyran, Carissa <Cyran.Carissa@epa.gov>
Subject: Draft comms materials for final RFS volumes

Hi all,

Sorry for the delay on this -- attached is a draft comms plan and press release for the final RFS action. The press release has a placeholder for the quote – for reference, here is a link to the press release for the proposal: <https://www.epa.gov/newsreleases/epa-proposes-rfs-volumes-reflective-market-realities-2018>

Thanks,
Isabel

Isabel DeLuca

Office of Air and Radiation, US EPA

(202) 343-9247

To: Wehrum, Bill[Wehrum.Bill@epa.gov]
Cc: Gunasekara, Mandy[Gunasekara.Mandy@epa.gov]
From: Grundler, Christopher
Sent: Thur 3/15/2018 3:05:31 AM
Subject: Re: Why Fuel Economy Standards Matter to U.S. Energy Dominance

Thanks for sharing this. This is really well done. We know the lead author Amy Myers Jaffe from her previous gig at UC Davis's Institute for Transportation Studies —she recently moved to NYC to join CFR. She is a well known energy scholar specializing in oil markets. Let me know if it would be useful for her to come down to DC to discuss her work and I can reach out to her.

C—

Christopher Grundler, Director
Office of Transportation and Air Quality
U.S. Environmental Protection Agency
202.564.1682 (Washington DC)
734.214.4207 (Ann Arbor MI)
734.645.5221 (mobile)
www.epa.gov/otaq

On Mar 14, 2018, at 8:08 PM, Wehrum, Bill <Wehrum.Bill@epa.gov> wrote:

Interesting ...

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: Chuck Cunningham <ccunningham@secureenergy.org>
Date: March 14, 2018 at 1:27:09 PM EDT
To: "Wehrum, Bill (EPA)" <Wehrum.Bill@epa.gov>
Subject: Why Fuel Economy Standards Matter to U.S. Energy Dominance

Bill:

Hope that all is well with you. Singing SAFE's song on fuel economy standards in this article below.

Chuck

Council on Foreign Relations

Why Fuel Economy Standards Matter to U.S. Energy Dominance

Amy Myers Jaffe and Dylan Yalbir

During last week's international energy industry gathering in Houston, CERA Week, U.S. Secretary of Energy Rick Perry introduced a new buzzword for the Trump administration's energy policy: "energy realism." Perry is reported to have insisted that this policy requires the United States to, "focus on maximizing exports for its energy, as well as its technologies." Yet, as the secretary of energy insists on maximizing energy exports and a more pragmatic national energy policy, the larger Trump administration stands on the precipice of making a major decision about the fate of long-standing Corporate Average Fuel Economy (CAFE) standards. In case the administration needs a refresher, we offer this data driven analysis of CAFE standards: they are quite pivotal to enhancing the United States' net oil exports levels.

As the administration approaches the deadline for their ongoing review of CAFE standards, it would be wise to consider the energy security implications of any weakening of fuel economy standards to appease automakers. Lost in the albeit important discussion of the environmental benefits of CAFE is the pivotal role that they have played in reducing U.S. oil consumption and putting the nation on a path to making the rare transition from being a net importer of oil to being a net exporter. The Energy Information Administration's (EIA) recently released 2018 Annual Energy Outlook projects that the United States will become a net exporter of petroleum and other liquids in 2021. This achievement, if attained, would undoubtedly be a critical part of achieving Trump's desired "energy dominance."

The achievement of this net energy independence milestone (measured in the amount of our net exports) would be severely diminished without the maintenance of congressionally mandated fuel economy standards from the 2000s. Proponents of an “energy dominant” America policy have so far focused mainly on the role of growing domestic production. If that production is not accompanied by the expected decrease in consumption, however, the United States will wind up a much weaker net oil exporter. In one speech, Trump dismissed the fuel savings from current CAFE standards as a “thimbleful of fuel” but the numbers suggest otherwise.

Using data from Annual Energy Outlooks (AEO) past and present, we calculate a back of the envelope estimate for what light-duty vehicle oil use would have been—and will be in the future—without CAFE standards. To measure this, we adjust for vehicle efficiency back to the pre-CAFE projections from the 2007 AEO for the fleet average, with the caveat that oil price differences might alter somewhat the distribution of new car purchases over the time period in question. The 2007 AEO predates and doesn’t include the raised fuel economy standards of the 2007 Energy Independence and Security Act or the National Program rulings passed by the Obama administration in 2010 and 2012.

The above graph uses 2018 AEO data for U.S. consumption and production of petroleum and other liquids in the high oil and gas resource and technology case, which shows the U.S. Department of Energy’s projection for the maximum potential of U.S. production. More importantly, it’s the version of the U.S. oil industry that the Trump administration envisions and most experts expect. With CAFE standards maintained, the United States reaches net exporter status as early as 2021 and achieves net exports of around 1.45 million barrels per day (MMb/d) in 2022. Without CAFE standards driving down consumption, however, the amount of U.S. net exports in 2022 would drop to just a little under 2,500 b/d. By 2030, the United States’ net exports—without CAFE standards—will be 1.47 MMb/d, which is a paltry fraction of the nearly 4.2 MMb/d the United States is projecting if CAFE standards are maintained. Weakening fuel economy standards would severely hamper the economic benefits of U. S. export capabilities. The situation is even bleaker in the business as usual case (AEO reference case), where the increase in U.S. production is moderate. As the graph below shows, the United States does not reach net exporter status in the next decade if fuel economy standards are not maintained in the business as usual case.

Rick Perry has broken down the administration’s energy dominance/realism policy into two components in the past: 1) self-reliance and 2) the ability to “export to markets around the world, [thereby increasing] our global leadership and our influence.”

Weakening CAFE will harm both components and make it harder for the Trump administration to achieve its goals. Two of the top five source countries of U.S. petroleum imports are currently Saudi Arabia and Venezuela; dependence on neither seems ideal given recent political developments. The original intent of enacting fuel economy standards for the U.S. vehicle fleet—which came on the heels of the oil crises of the 1970s—was to avoid being susceptible to fallout from foreign political turmoil like the events currently playing out in Venezuela and the Middle East. Nearly forty years after the first set of CAFE standards were established in 1975, the United States is finally close to achieving the standard’s original intent: oil self-reliance and energy security. It would be misguided to undo all the progress on this front right when the United States has reached the home stretch.

Weakening standards will also make it more difficult for the United States to achieve the second component of Trump’s energy dominance vision: leveraging U.S. energy strength to expand U.S. global leadership and support its allies. Becoming a self-reliant net exporter of petroleum will allow the United States to untether its foreign policy from the constraints of domestic oil politics. In fact, the trend line that we are currently on, in which domestic consumption is decreasing and production is increasing, has already given the United States “strategic weapons once unthinkable. The United States and its allies now have a supply cushion at a time when political turmoil in Venezuela, Libya and Nigeria is threatening to interrupt flows to markets.” Separately, Rick Perry characterized America’s ability to export energy to its allies as “exporting freedom” and described it as a central pillar of Trump’s energy policies. The bottom line, however, is that the U.S. will not be able to effectively “export freedom” in the counterfactual non-CAFE scenario because it’s surplus oil production will only be a fraction of what it could be with fuel economy standards maintained. More importantly, without CAFE standards, oil could become another economic resource where the U.S. has lost global leadership.

If the Trump administration plows forward with any plans to water down CAFE—and thereby lessens the United States’ soon to be achieved surplus oil stock—it will further cement its undoing of U.S. global energy leadership. At a time when China is doubling down on its green energy policy and positioning itself to become the world’s supplier of renewable energy, the Trump administration is doing the exact opposite. By attempting to withdraw from the Paris Climate Agreement, reducing the budget for Mission innovation, and generally deemphasizing renewables since taking office, Trump has already set the stage for China to become the energy leader of the future. Weakening CAFE and reducing future U.S. net oil exports will further diminish the future global energy leverage of the United States and leave the country and its allies on a more precarious footing.

It would behoove the Trump administration to reconsider the critical importance of fuel economy standards. They are not another “burdensome” regulation. Instead the Trump administration must consider thoughtfully the energy security implications of fuel economy standards. If anything, the administration should push Detroit to be more ambitious to meet foreign competition. Taking away yet another avenue enabling U.S. energy leadership would render President Trump’s energy legacy as subordinate, not dominant.

This is a guest post by Dylan Yalbir, a research associate at the Council on Foreign Relations.

To: Steller, John[Steller.John@epa.gov]; Kocchi, Suzanne[Kocchi.Suzanne@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]; Irving, Bill[Irving.Bill@epa.gov]; Ohrel, Sara[Ohrel.Sara@epa.gov]; Sherry, Christopher[Sherry.Chris@epa.gov]
From: Gunning, Paul
Sent: Fri 3/16/2018 7:28:00 PM
Subject: RE: Draft biomass policy document (3/15/18)
[policy memo draft 3 15 18 sk+pg.docx](#)

Great job guys, this is not an easy task. Attached are my (and Suzie's) edits and comments. If we could turn this around relatively quickly, that would be great. I would like to give something to Sarah by the end of the day on Monday.

Thanks!!

Paul

From: Steller, John
Sent: Thursday, March 15, 2018 6:29 PM
To: Gunning, Paul <Gunning.Paul@epa.gov>; Kocchi, Suzanne <Kocchi.Suzanne@epa.gov>; Fawcett, Allen <Fawcett.Allen@epa.gov>; Irving, Bill <Irving.Bill@epa.gov>; Ohrel, Sara <Ohrel.Sara@epa.gov>; Sherry, Christopher <Sherry.Chris@epa.gov>
Subject: Draft biomass policy document (3/15/18)

Paul,

Please find the attached draft biomass policy statement document. This document reflects updates based on review and comments from Bill and Allen on an earlier version. We have left a few of the comments in the attached version to show the comment and our changes to address, which may still need some tweaking of the language. Please let us know if you have any questions.

Thanks,

John

John Steller

Geologist

U.S. Environmental Protection Agency

Climate Change Division

Steller.John@epa.gov

202-343-9319

To: Gunning, Paul[Gunning.Paul@epa.gov]
From: Kocchi, Suzanne
Sent: Fri 3/16/2018 6:39:53 PM
Subject: my suggestions
[policy memo draft 3 15 18 sk.docx](#)

Suzie Kocchi, Chief of Staff

Climate Change Division

US Environmental Protection Agency

(202) 343-9387

To: Gunning, Paul[Gunning.Paul@epa.gov]; Kocchi, Suzanne[Kocchi.Suzanne@epa.gov]; Irving, Bill[Irving.Bill@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]
Cc: Ohrel, Sara[Ohrel.Sara@epa.gov]; Sherry, Christopher[Sherry.Chris@epa.gov]
From: Steller, John
Sent: Thur 2/22/2018 7:00:59 PM
Subject: Updated biomass policy outline and questions
[Draft outline biomass justification-02222018.docx](#)
[Questions on Biomass Treatment.docx](#)

Hi Paul,

Attached is an updated draft biomass policy outline and another document with questions that would help inform the direction of the treatment document. Currently the outline is in a format similar to a letter which would come from a senior Agency official but I can also fairly easily change the format to fit another approach. Please let me know if there are any suggestions and/or edits to be made to either document.

Thanks,

John

John Steller

Geologist

U.S. Environmental Protection Agency

Climate Change Division

Steller.John@epa.gov

202-343-9319